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APPLICATION NO. FILING DATE		ILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/943,507 08/31/2001		08/31/2001	Shigekazu Ohtomo	520.40591X00 8177		
20457	7590	12/19/2005		EXAMINER		
		RY, STOUT & I	CHEN,	CHEN, TIANJIE		
SUITE 1800		TELITII STREE	ART UNIT	PAPER NUMBER		
ARLINGTO	N. VA	22209-3873	2656			

DATE MAILED: 12/19/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

		Application	No.	Applicant(s)				
		09/943,507		OHTOMO ET AL.				
Office Action Summary		Examiner		Art Unit				
		Tianjie Cher	1	2656				
Period fo	The MAILING DATE of this communication app or Reply	pears on the c	over sheet with the co	orrespondence ad	ldress			
A SH WHIC - Exter after - If NC - Failu Any	ORTENED STATUTORY PERIOD FOR REPLICHEVER IS LONGER, FROM THE MAILING Designs of time may be available under the provisions of 37 CFR 1.1 SIX (6) MONTHS from the mailing date of this communication. Period for reply is specified above, the maximum statutory period to reply within the set or extended period for reply will, by statute reply received by the Office later than three months after the mailing and patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS 136(a). In no event will apply and will e e, cause the applica	COMMUNICATION however, may a reply be time expire SIX (6) MONTHS from to tion to become ABANDONED). ely filed the mailing date of this c O (35 U.S.C. § 133).				
Status								
•	Responsive to communication(s) filed on <u>12 C</u> This action is FINAL . 2b) This Since this application is in condition for allowarclosed in accordance with the practice under E	s action is nor	r formal matters, pro		e merits is			
Dispositi	on of Claims							
5)□ 6)⊠ 7)□ 8)□ Applicat	Claim(s) 38-41,43-47,49-53 and 55 is/are pend 4a) Of the above claim(s) is/are withdraware Claim(s) is/are allowed. Claim(s) 38-41,43-47,49-53,55 is/are rejected. Claim(s) is/are objected to. Claim(s) are subject to restriction and/or ion Papers The specification is objected to by the Examine The drawing(s) filed on is/are: a) accompliant may not request that any objection to the	er. cepted or b)	ideration. uirement. objected to by the E held in abeyance. See	37 CFR 1.85(a).	ER 1 121(d)			
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.								
•	ınder 35 U.S.C. § 119							
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 								
2) Notice (3) Information	t(s) e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948) mation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) r No(s)/Mail Date) Interview Summary (Paper No(s)/Mail Da) Notice of Informal Pa	te	O-152)			

Non-Final Rejection (RCE)

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 10/12/2005 has been entered. Claims 38-41, 43-47, 49-53, and 55 are pending.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

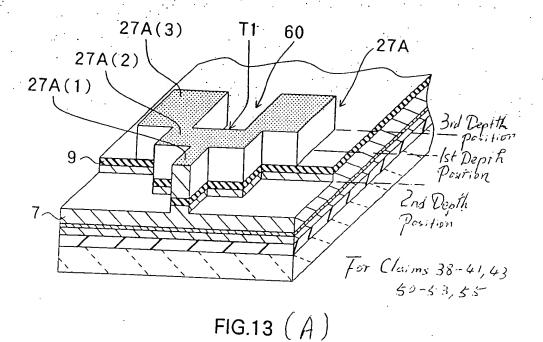
A person shall be entitled to a patent unless -

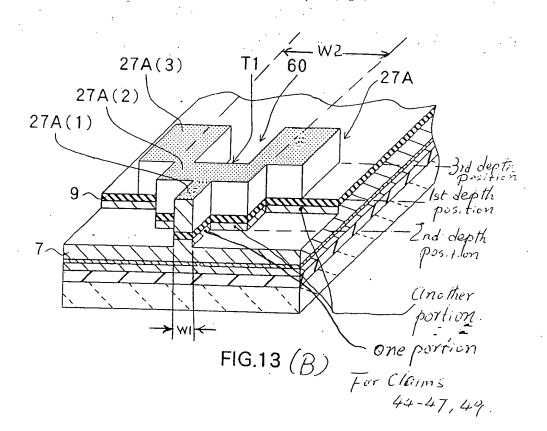
- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 1. Claims 38-41, 43-47, 49-53, and 55 are rejected under 35 U.S.C. 102(e) as being anticipated by Sasaki (US 6,624,971).

Claims 38, 44, and 50, Sasaki shows a thin film head in Fig. 13, which is modification of the thin film head in Fig. 1 (Column 17, line 60) having a reading part 5 (Fig. 1; column 10, line 58) and a recording part including: an upper magnetic pole 27 (Figs. 13) having a first width at an air bearing surface and a second width which is larger than the first width at a first depth position from the air bearing surface;

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a lower magnetic pole having a lower magnetic main layer 7 (Fig. 13), a lower magnetic pole front end portion on the lower magnetic main layer, and a projection step portion on the lower magnetic pole front end portion; and a non-magnetic insulating layer on the lower magnetic main layer, which is formed at an opposite side to an air bearing surface of the projection step portion; wherein the projection step portion includes one portion which faces the upper magnetic pole and another portion which is formed so as to extend from a second depth position from the air bearing surface to a third depth position from the air bearing surface and having a part which does not face the tip portion of the magnetic pole; and wherein a distance from the air bearing surface to a the second depth position is shorter than a distance from the air bearing surface to the first depth position.

With regard to claim 44, Sasaki further shows in Fig. 13, wherein the widths of the upper magnetic pole in the track width direction are equal from the air bearing surface to the second depth position the track centerline of the projection step portion to a position on the starting position line.

With regard to claim 50, Sasaki further shows a gap layer 9 (Fig. 13) disposed between the upper magnetic pole and the projection step portion.

Claims 39, 45, and 51; Sasaki further shows in Fig. 13 that the another portion of the projection step portion is formed at both sides of a track center line of the projection step portion.

Claims 40, 46, and 52; Sasaki further shows in Fig. 13 that the width of the projection step portion in the track width direction at the air bearing surface is substantially equal to a width in the track width direction of the upper magnetic pole at the air bearing surface.

Claims 41, and 53; Sasaki further shows in Fig. 13(A) that a distance from a track center line of the projection step portion to an edge of the another portion in track width direction at the second depth position from the air bearing surface is greater than a distance from a track center line of the upper magnetic pole to an edge of the upper magnetic pole in the track width direction at the second depth position from the air bearing surface.

Claim 47, Sasaki further shows in Fig. 13(B) that a distance from a track center line of the projection step portion to an edge of the another portion in track width direction at the second depth position from the air bearing surface is W2/2, which greater than a distance from a track center line of the upper magnetic pole to an edge of the upper magnetic pole in the track width direction at the second depth position from the air bearing-surface, which is W1/2.

Claims 43, 49, and 55, Sasaki further shows in Fig. 13 that another portion of the projection step portion has rectangular contours.

Response to Arguments

2. Applicant's arguments with respect to claims have been considered but are moot in view of the new ground(s) of rejection for the new claims.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tianjie Chen whose telephone number is 571-272-7570. The examiner can normally be reached on 8:00-4:30, Mon-Fri.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Hoa Nguyen can be reached on 571-272-7579. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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TIANJIE CHEN

PRIMARY EXAMINER